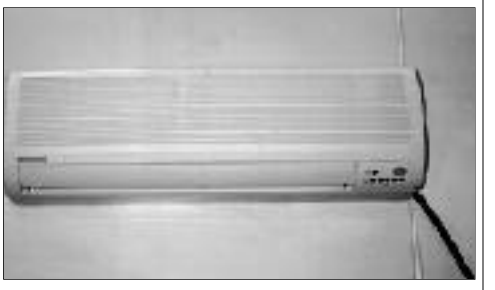
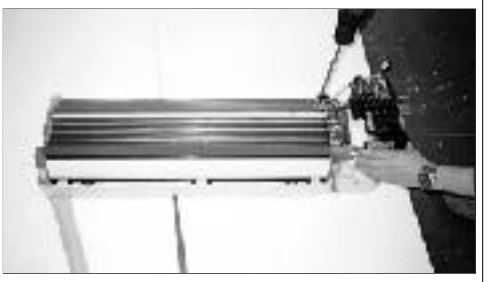
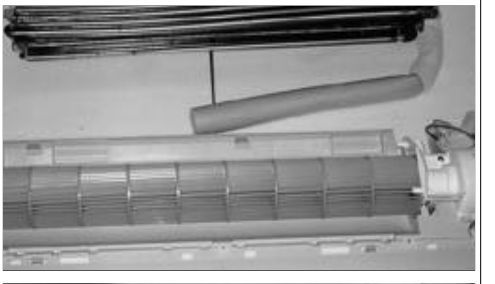
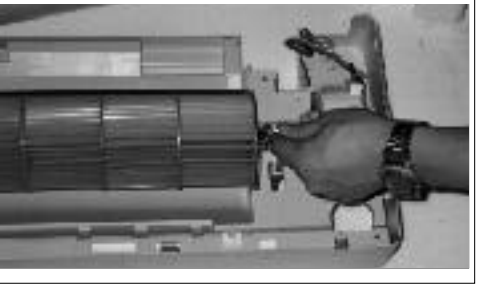
4. Disassembly and Reassembly

Stop operation of the air conditioner and remove the power cord before repairing the unit.

❊ The design and shape are subject to Change according to the model.

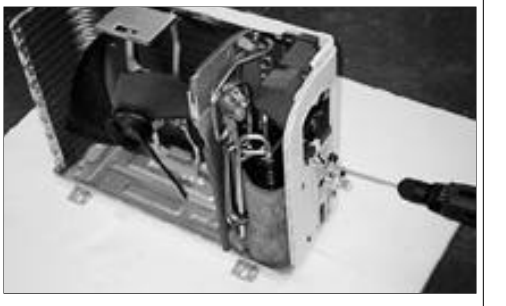
4-1 Indoor Unit

No	Parts	Procedure	Remark
1	Front Grille	1) Stop the air conditioner operation and block the main power. 2) Seperate tape of front panel upper.	
		3) Contract the second finger to the left, and right handle and pull to open the inlet grille. 4) Take the left and right filter out. *Taking off the deodorizing filter. 5) Loosen one of the right fixing screw and seperate the terminal cover.	
		6) Loosen three fixing screws of front grille.	
		7) Pull the upper left and right of discharge softly for the outside cover to be pulled out.	
		8) Pull softly the lower part of discharge and push it up. **Caution;** Assemble the front panel and fix the hooks of left and right.	

No	Parts	Procedure	Remark
2	Ass'y Tray Drain.	1) Do "1"above 2) Take all the connector of PCB upper side out. (Inclusion Power cord) 3) Separate the outdoor unit connection wire from the terminal block. 4) If pulling the Main PCB up. it will be taken out.	
3	Electrical Parts (Main PCB)	1) Do "1", "2", above Separate the drain hose from the extension drain hose. 2) Pull tray drain out from the back body.	
4	Heat Exchanger	1) Do "1" and "2", "3", above 2) Loosen two fixing earth screws of right side. 3) Separate the connection pipe. 4) Separate the holder pipe at the rearside. 5) Loosen the three fixing screws of right and left side. 6) Lifting the heat exchanger up a little to push the up side for separation from the indoor unit.	
5	Fan Motor and Cross Fan	1) Do "1" "2" "3" "4", above. 2) Loosen the fixing two screws and separate the motor holder. 3) Loosen the fixing screw of fan motor. (By use of M3 wrench) 4) Separate the fan motor from the fan. 5)Separate the fan from the left holder bearing.	 

4-2 Outdoor Unit

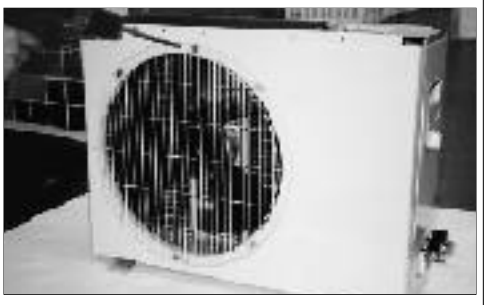
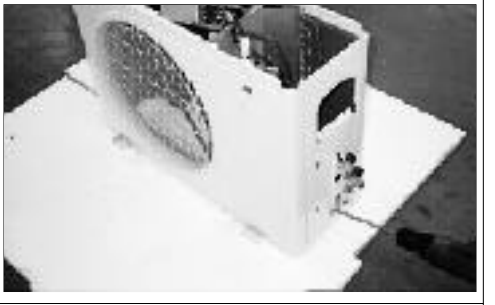
- **SH07ZA3(4)X/UQ07A3(4)ME**
- **SH09ZA3(4)X/UQ09 A3(4)ME**

No	Parts	Procedure	Remark
1	Common Work	1) Loosen the fixing tow screws and separate the COVER TERMINAL	
		2) Loosen the fixing two screws and seperate the cover control 3) Separate the connection wire from the terminal block.	
		4) Loosen six fixing screws and separate the cabi front.	
		5) Loosen the one fixing screw of Ass'y E-part.	
		6) Loosen 12 fixing screws and separate the cabi side.	

No	Parts	Procedure	Remark
2	Fan and Motor	1) Do “1”, above. 2) Remove the nut flange (Turn to the right to remove, as it is a left hand screw) 3) Separate the fan. 4) Loosen Four fixing screws to separate the motor. 5) Loosen two fixing screws and seperate the motor bracket from. the base.	
3	Heat Exchanger	1) Do “1”,“2”, above. 2) Loosen two fixing screws of left and right side. 3) Disassemble the inlet and outlet pipe by welding. 4) Separate the heat exchanger.	
4	Compressor	1) Do “1”,“2”,“3”, above. 2) Open the terminal cover of compressor and unscrew the connection terminal. 3) Disassemble the inlet and outlet pipe of compressor by welding. 4) Loosen the three bolts of the lower part. 5) separate the compressor.	

4-2 Outdoor Unit

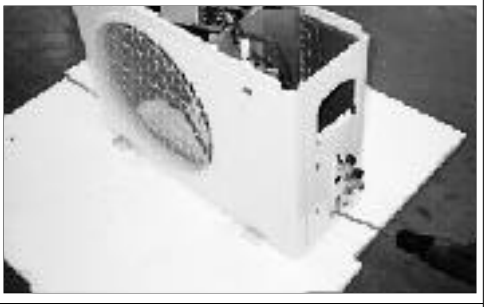
- **SH07ZA1(2)X**
- **UQ07A1(2)ME**

No	Parts	Procedure	Remark
1	Common Work	1) Loosen the fixing two screws and separate the cover E-parts. 2) Separate the connection wire from the terminal block.	
		3) Loosen five fixing screws and separate the cabi Upper.	
		4) Loosen two fixing screws of Ass'y E-part.	
		5) Loosen nine fixing screws and separate the cabi side.	
2	Fan and Motor	1) Do “1”, above. 2) Losen four serews and seperaate Guard Fan from front cabinet	

No	Parts	Procedure	Remark
		2) Remove the nut flange (Turn to the right to remove, as it is a left hand screw) 3) Separate the fan. 4) Loosen four fixing screws to separate the motor.	
3	Heat Exchanger	1) Do “1”, 2 above. 2) Loosen two fixing screws of left and right side. 3) Disassemble the inlet and outlet pipe by welding. 4) Separate the heat exchanger.	
4	Compressor	1) Do “1”, above. 2) Loosen the nut on the terminal cover and open the terminal cover. 3) Disassemble the inlet and outlet pipe of compressor by welding. 4) Disassemble the inlet and outlet pipe of condenser by welding 5) Loosen the three bolts of the lower part. 6) separate the compressor.	

4-2 Outdoor Unit

- **SH09ZA1(2)X/SH12ZA1(2)X/A**
- **UQ09A1(2)ME/UQ12A1(2)ME**
- **UQ09A1(2)MD/UQ12A1(2)MD**

No	Parts	Procedure	Remark
1	Common Work	1) Loosen the fixing two screws and separate the cover E-parts. 2) Separate the connection wire from the terminal block.	
		3) Loosen five fixing screws and separate the cabi Upper.	
		4) Loosen two fixing screws of Ass'y E-part.	
		5) Loosen seven fixing screws and separate the cabi side.	
2	Fan and Motor	1) Do “1”, above. 2) Losen four serews and seperaate Guard Fan from front cabinet	

No	Parts	Procedure	Remark
		2) Remove the nut flange (Turn to the right to remove, as it is a left hand screw) 3) Separate the fan. 4) Loosen four fixing screws to separate the motor.	
3	Heat Exchanger	1) Do “1”, 2 above. 2) Loosen two fixing screws of left and right side. 3) Disassemble the inlet and outlet pipe by welding. 4) Separate the heat exchanger.	
4	Compressor	1) Do “1”, above. 2) Loosen the nut on the terminal cover and open the terminal cover. 3) Disassemble the inlet and outlet pipe of compressor by welding. 4) Disassemble the inlet and outlet pipe of condenser by welding 5) Loosen the three bolts of the lower part. 6) separate the compressor.	